

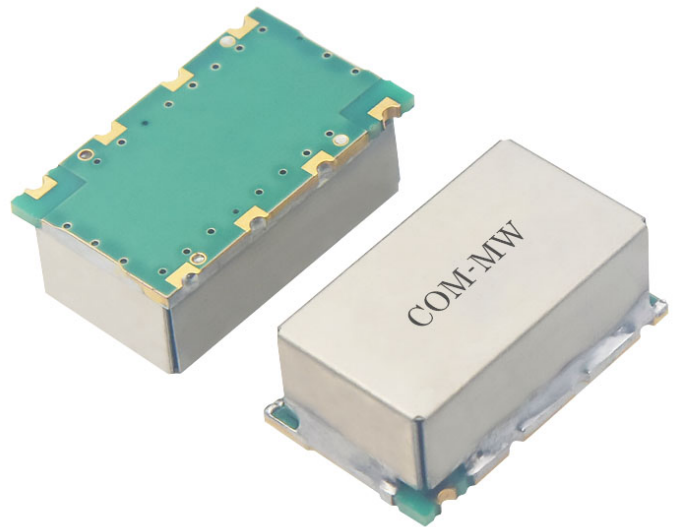
Product features

Small size, high cost-effectiveness.

Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband	/	/	170	~	186	MHz
Passband IL	/	/			3	dB
Rejection	150	MHz $\geq$	20			dB
Rejection	210	MHz $\geq$	20			dB
Passband VSWR	/	/			1.5	

Reference picture



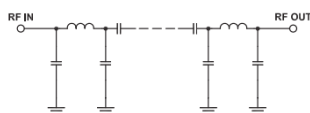
Other parameters

Connector	SMD
Impedance	50 Ω
Power	2W
Work Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+85°C Design assurance
Quality Grade	Industrial grade
Other	Replace SXBP-178+

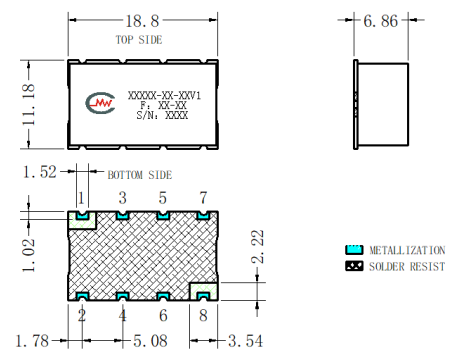
Port Definition

I/O Port	1,8
GND	2,3,4,5,6

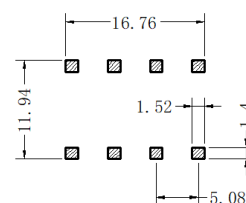
Functional diagram



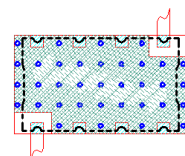
Configuration(mm)



PCB Land Pattern



Suggested PCB Layout

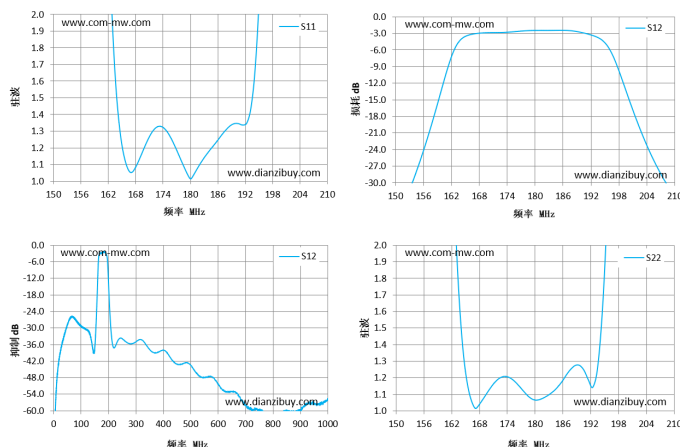


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency(MHz)	S11 VSWR	S12 IL dB	S22 VSWR
150	13.43	-36.66	11.55
154	26.58	-29.2	7.4
159	11.27	-15.89	4.76
163	1.91	-5.38	1.99
167	1.05	-3.1	1.02
171	1.26	-2.89	1.16
176	1.25	-2.68	1.17
180	1.01	-2.49	1.07
184	1.17	-2.48	1.12
189	1.33	-2.65	1.28
193	1.35	-3.39	1.14
197	3.9	-7.37	3.46
201	8.98	-15.74	6.11
206	7.69	-26.75	6.64
210	7.04	-31.89	7.2

Typical test curve



Note

1	Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
2	The product supports 190 °C reflow soldering